Micronizing

MC Jetmill® 300

- Hundreds of installations worldwide
- The most advanced micronizers on the market
- Effective with more products than any other available today
- Highly efficient single pass processing
- Working with 1000s of compounds
- Including sticky and abrasive products
- Scaleable product range
- Accurate reproduction from development to production

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MC Jetmill® 300

The MC300 is the third step up from the MC 50 laboratory unit, suitable for micronizing up to 200 kg/hr.

Technical features
- **High grade materials** – AISI type 316L stainless steel mirror polished to Ra 0.25 microns or Hastelloy
- **Rapid cleaning and easy validation** – Ease and quickness in assembling and disassembling, as well as a limited number of components
- **The simplicity of the whole unit** – Total absence of screws (replaced by tri-clover connections), no crevices, smooth and regular surfaces

**Very low production loss**
- Typical yields are 99.5% of batch size. virtual removal of the blow back phenomenon.
- Limited caking of sticky powders
- A single collecting point – (dimensional homogeneity)

**Further advantages**
- The lowest consumption of process gas of similarly sized units available on the market
- Process at constant temperature (endothermic)
- No heat generation
- Easy scale up maintaining the same PSD (Particle size distribution).

Options:
- Volumetric or Gravimetric pharma execution feeder, with various hopper dimensions available.
- Special internal lining: PTFE, PUR (Volkollan), Ceramic, titanium Nitride.
- Sanitary rotary valve for production collection.
- CIP and SIP systems.
- Explosion proof systems (10 bars pressure resistant or burst disk).
- System fully automated by PLC.

**Alternative Version**
Simplified version based on the same pharma concept can be customized for other applications:
- Fine chemicals
- Cosmetics
- Food

### Dimensions

![Dimensional Diagram]

### Technical Data

<table>
<thead>
<tr>
<th>Nominal diameter</th>
<th>Estimated capacity</th>
<th>Batch size</th>
<th>Process gas @ 7 bar</th>
<th>Process gas @ 12 bar</th>
<th>Installed power</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 mm (12 inches)</td>
<td>From 5.0 to 200 kg/hr</td>
<td>5 kg to 2000 kg</td>
<td>3.89 Nm³/min (137.37 CFM)</td>
<td>6.67 Nm³/min (235.55 CFM)</td>
<td>1.2 kW (1.6 HP)</td>
</tr>
</tbody>
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